

Claims

1. A device incorporating a chamber through the interior of which, at least on occasion, there is a flow of liquid or of a gas at an enhanced pressure when the device is in operation, comprising at least one drawer and at least one drawer guide by means of which the drawer is held on a corpus of the chamber such that it is displaceable in the direction of movement of the drawer, wherein the drawer guide comprises at least one guide rail at the drawer side and one guide rail at the corpus side and at least one rolling member assembly by means of which one of the guide rails is guided in displaceable manner on another guide rail of the drawer guide in the direction of movement of the drawer and which comprises a cage for the rolling members, wherein
 - at least one of the guide rails of the drawer guide comprises a rear rail portion which includes at least one partial section that extends in the direction of movement of the drawer and is provided with fluid passage openings in such a manner that the liquid or the gas is adapted to flow through the guide rail concerned when the device is in operation, and/or
 - at least one cage for the rolling members of the drawer guide comprises a rear cage portion which includes at least one partial section that extends in the direction of movement of the drawer and is provided with fluid passage openings in such a manner that the liquid or the gas is adapted to flow through the cage for the rolling members when the device is in operation.
2. A device in accordance with Claim 1, wherein
 - the ratio of the surface area of the fluid passage openings in the guide rail to the total surface area

of the rear rail portion in the partial section amounts to at least approximately 20 %, and/or

- the ratio of the surface area of the fluid passage openings in the cage for the rolling members to the total surface area of the rear cage portion in the partial section amounts to at least approximately 20%.

3. A device in accordance with Claim 2, wherein

- the ratio of the surface area of the fluid passage openings in the guide rail to the total surface area of the rear rail portion in the partial section amounts to at least approximately 25 %, and/or
- the ratio of the surface area of the fluid passage openings in the cage for the rolling members to the total surface area of the rear cage portion in the partial section amounts to at least approximately 25%.

4. A device in accordance with Claim 3, wherein

- the ratio of the surface area of the fluid passage openings in the guide rail to the total surface area of the rear rail portion in the partial section amounts to at least approximately 30 %, and/or
- the ratio of the surface area of the fluid passage openings in the cage for the rolling members to the total surface area of the rear cage portion in the partial section amounts to at least approximately 30%.

5. A device in accordance with Claim 4, wherein

- the ratio of the surface area of the fluid passage openings in the guide rail to the total surface area of the rear rail portion in the partial section amounts to at least approximately 40 %, and/or

- the ratio of the surface area of the fluid passage openings in the cage for the rolling members to the total surface area of the rear cage portion in the partial section amounts to at least approximately 40%.
6. A device in accordance with Claim 1, wherein
- the ratio of the surface area of the fluid passage openings in the guide rail to the total surface area of the rear rail portion in the partial section amounts to at most approximately 90 %, and/or
 - the ratio of the surface area of the fluid passage openings in the cage for the rolling members to the total surface area of the rear cage portion in the partial section amounts to at most approximately 90%.
7. A device in accordance with Claim 6, wherein
- the ratio of the surface area of the fluid passage openings in the guide rail to the total surface area of the rear rail portion in the partial section amounts to at most approximately 80 %, and/or
 - the ratio of the surface area of the fluid passage openings in the cage for the rolling members to the total surface area of the rear cage portion in the partial section amounts to at most approximately 80%.
8. A device in accordance with Claim 1, wherein at least one of the partial sections provided with fluid passage openings extends over at least one third of the length of the rear rail portion or the rear cage portion.
9. A device in accordance with Claim 1, wherein the sum of the lengths of the partial sections provided with fluid passage openings is greater than approximately two thirds of the total length of the rear rail portion or the rear cage portion.

10. A device in accordance with Claim 1, wherein at least one partial section of a guide rail of the drawer guide comprises fluid passage openings whose lateral distance from at least one of the lateral edges of the rear rail portion of the guide rail concerned is less than approximately a quarter of the width of the rear rail portion.
11. A device in accordance with Claim 1, wherein the pertinent partial section of the rear rail portion or that of the rear cage portion comprises at least three substantially congruent fluid passage openings.
12. A device in accordance with Claim 1, wherein the extent of each of the fluid passage openings in the rear rail portion or in the rear cage portion is at most approximately 5 mm in at least one of the directions in which it extends.
13. A device in accordance with Claim 1, wherein the extent of each of the fluid passage openings in the rear rail portion or in the rear cage portion is at most approximately 5 mm in the direction of movement of the drawer.
14. A device in accordance with Claim 1, wherein at least one guide rail of the drawer guide and at least one cage for the rolling members of the same drawer guide are provided with fluid passage openings.
15. A device in accordance with Claim 14, wherein, in a state of the drawer guide in which it is pushed completely into the interior of the chamber, at least one fluid passage opening in the guide rail and at least one fluid passage opening in the cage for the rolling members are aligned with one another.
16. A device in accordance with Claim 15, wherein, in a state of the drawer guide in which it is pushed completely into the interior of the chamber, a plurality of fluid passage

openings in the guide rail are aligned with a respective fluid passage opening in the cage for the rolling members.

17. A device in accordance with Claim 16, wherein, in a state of the drawer guide in which it is pushed completely into the interior of the chamber, substantially all of the fluid passage openings in the guide rail are aligned with a respective fluid passage opening in the cage for the rolling members.
18. A device in accordance with Claim 1, wherein at least one guide rail of the drawer guide comprises a rolling member running track which is provided with at least one fluid passage opening.
19. A device in accordance with Claim 1, wherein at least one rolling member assembly of the drawer guide comprises rolling members in the form of balls.
20. A device in accordance with Claim 1, wherein at least one rolling member assembly of the drawer guide comprises rolling members which are each in single-point contact with a rolling member running track of a guide rail of the drawer guide that is associated with the rolling members.
21. A device in accordance with Claim 1, wherein the drawer guide comprises at least one further guide rail in addition to the guide rail at the drawer side and the guide rail at the corpus side, said further guide rail being arranged between the drawer side guide rail and the corpus side guide rail.
22. A device in accordance with Claim 1, wherein the drawer guide is in the form of a full withdrawal guide, by means of which the drawer is withdrawable substantially completely from the interior of the chamber.
23. A device in accordance with Claim 1, wherein the device is in the form of a washing machine or a dishwasher.

24. Use of a drawer guide which comprises at least one guide rail at the drawer side and one guide rail at the corpus side and at least one rolling member assembly by means of which one of the guide rails is guided in displaceable manner on another guide rail of the drawer guide in the direction of movement of the drawer and which comprises a cage for the rolling members, wherein

- at least one of the guide rails of the drawer guide comprises a rear rail portion which includes at least one partial section that extends in the direction of movement of the drawer and is provided with fluid passage openings in such a manner that a liquid or a gas is adapted to flow through the guide rail when the device is in operation, and/or
- at least one cage for the rolling members of the drawer guide comprises a rear cage portion which includes at least one partial section that extends in the direction of movement of the drawer and is provided with fluid passage openings in such a manner that a liquid or a gas is adapted to flow through the cage for the rolling members when the device is in operation,

for the purposes of holding a drawer in displaceable manner on a corpus of a chamber in a device through the interior of which, at least on occasion, there is a flow of liquid or of a gas at an enhanced pressure when the device is in operation.

25. Use in accordance with Claim 24, wherein

- the ratio of the surface area of the fluid passage openings in the guide rail to the total surface area of the rear rail portion in the partial section amounts to at least approximately 20 %, and/or

- the ratio of the surface area of the fluid passage openings in the cage for the rolling members to the total surface area of the rear cage portion in the partial section amounts to at least approximately 20%.

26. Use in accordance with Claim 24, wherein

- the ratio of the surface area of the fluid passage openings in the guide rail to the total surface area of the rear rail portion in the partial section amounts to at most approximately 90 %, and/or
- the ratio of the surface area of the fluid passage openings in the cage for the rolling members to the total surface area of the rear cage portion in the partial section amounts to at most approximately 90%.

27. Use in accordance with Claim 24, wherein at least one of the partial sections that is provided with fluid passage openings extends over at least one third of the length of the rear rail portion or the rear cage portion.

28. Use in accordance with Claim 24, wherein the sum of the lengths of the partial sections that are provided with fluid passage openings is greater than approximately two thirds of the total length of the rear rail portion or the rear cage portion.

29. Use in accordance with Claim 24, wherein at least one partial section of a guide rail of the drawer guide comprises fluid passage openings whose lateral distance from at least one of the lateral edges of the rear rail portion of the guide rail concerned is less than approximately a quarter of the width of the rear rail portion.

30. Use in accordance with Claim 24, wherein the pertinent partial section of the rear rail portion or that of the rear cage portion comprises at least three substantially congruent fluid passage openings.
31. Use in accordance with Claim 24, wherein the extent of each of the fluid passage openings in the rear rail portion or in the rear cage portion is at most approximately 5 mm in at least one of the directions in which it extends.
32. Use in accordance with Claim 24, wherein the extent of each of the fluid passage openings in the rear rail portion or in the rear cage portion is at most approximately 5 mm in the direction of movement of the drawer.
33. Use in accordance with Claim 24, wherein at least one guide rail of the drawer guide and at least one cage for the rolling members of the same drawer guide are provided with fluid passage openings.
34. Use in accordance with Claim 33, wherein, in a state of the drawer guide in which it is pushed completely into the interior of the chamber, at least one fluid passage opening in the guide rail and at least one fluid passage opening in the cage for the rolling members are aligned with one another.
35. Use in accordance with Claim 24, wherein at least one guide rail of the drawer guide comprises a rolling member running track which is provided with at least one fluid passage opening.
36. Use in accordance with Claim 24, wherein at least one rolling member assembly of the drawer guide comprises rolling members in the form of balls.
37. Use in accordance with Claim 24, wherein at least one rolling member assembly of the drawer guide comprises rolling members which are each in single-point contact with

a rolling member running track of a guide rail of the drawer guide that is associated with the rolling members.

38. Use in accordance with Claim 24, wherein the drawer guide comprises at least one further guide rail in addition to the guide rail at the drawer side and the guide rail at the corpus side, said further guide rail being arranged between the drawer side guide rail and the corpus side guide rail.
39. Use in accordance with Claim 24, wherein the drawer guide is in the form of a full withdrawal guide, by means of which the drawer is withdrawal substantially completely from the interior of the chamber.
40. Use in accordance with Claim 24, wherein the device is in the form of a washing machine or a dishwasher.